



# MEETING THE PROJECT MANAGEMENT CHALLENGE

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## Abstract

### ***“Capability Maturity Model Integrated (CMMI®) From a Project Management Perspective”***

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This presentation describes the details of the CMMI® with a focus on the project management aspects of the model. There will be a brief history of the CMM® and CMMI® models and their development. Then the focus will be on using the CMMI® as a management framework and tool for improving project management processes. Some key aspects of the presentation are:

- The background / history of the CMM® and CMMI® models
- The evolution from the CMM® (software management model) to the CMMI® (project management model) with emphasis on those Process Areas (PAs) that support project management
- A discussion of the different types of CMMI® models and their respective usages for various project situations
- A discussion of the Continuous versus the Staged representation of CMMI® including advantages and disadvantages of each and how to select the best representation for improving the processes for a specific project and/or organization
- A discussion of the term “Integrated” as it applies to the CMMI® (Integrated) and how this supports integrating all of the disciplines supporting a project
- A brief discussion of the 25 Process Areas (PAs) and how each PA supports Project Management in the planning and management of a project
- A discussion of the SCAMPI(SM) process used for appraisals for base lining a project or organization against the CMMI® and determining the gaps for improving the process

<sup>1</sup> CMM® and CMMI® are registered in the U.S. Patent and Trademark Office by Carnegie Mellon University.

<sup>2</sup> SCAMPI(SM) and SCAMPI Lead Appraiser(SM) are service marks of Carnegie Mellon University.



## **NASA Project Management Conference**